



美國化學學會  
American Chemical Society

# 大綱

- ACS學會及其出版社介紹
- ACS產品介紹
- 平台的使用



## 美國化學學會 (American Chemical Society ; ACS)

- 成立於1876年
- 擁有來自超過140個國家的16萬全球會員
- 是世界上最大的非營利科學學會之一
- 化學領域的活動贊助

**Chemistry for Life ; More than Chemistry**



ACS  
Chemistry for Life™

會員

Fellow : 1327  
傑出教授、科學家

General : 16000+  
化學從業者、教師、學生、機構

ACS  
Publication

68本Hybrid期刊  
16本OA期刊

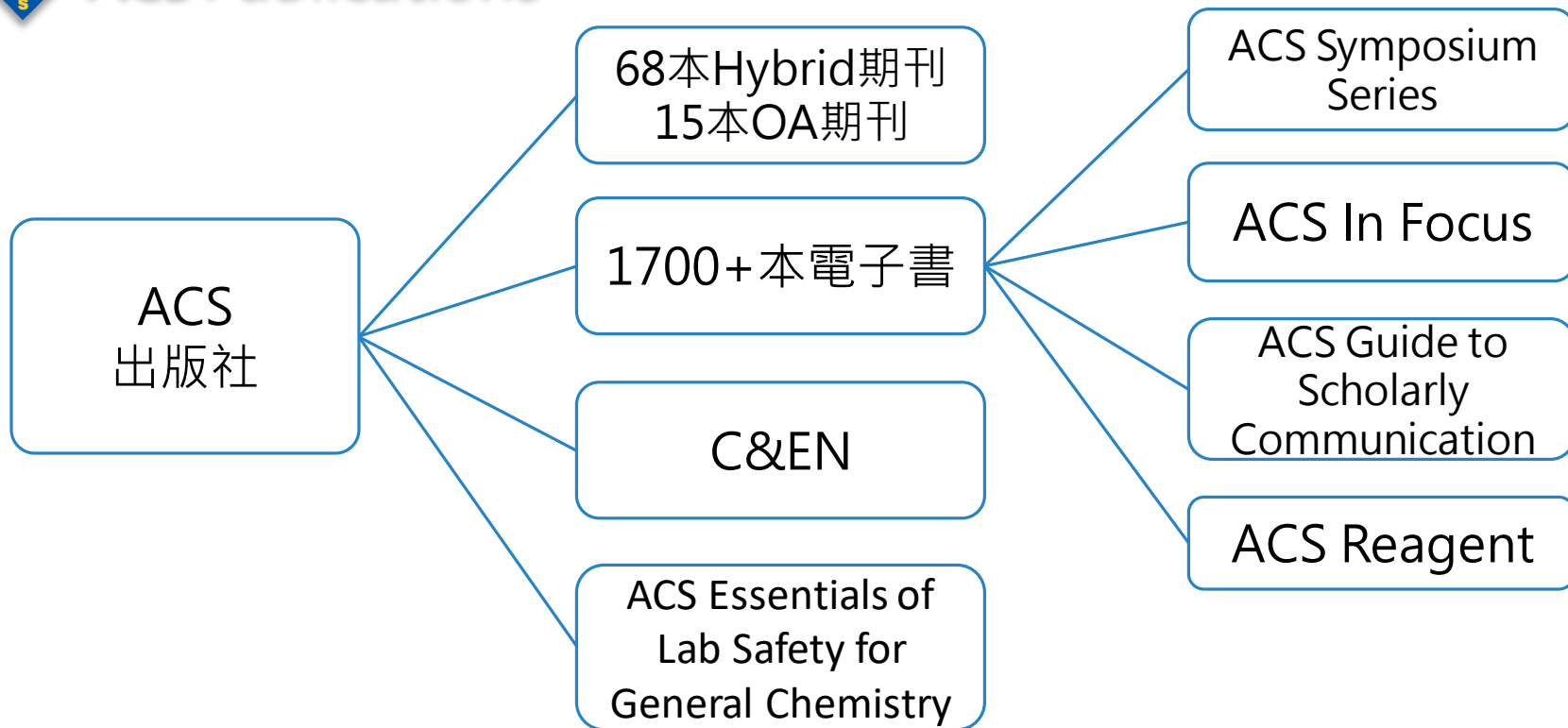
1700+本電子書

主編、編委、評審

CAS



# ACS Publications





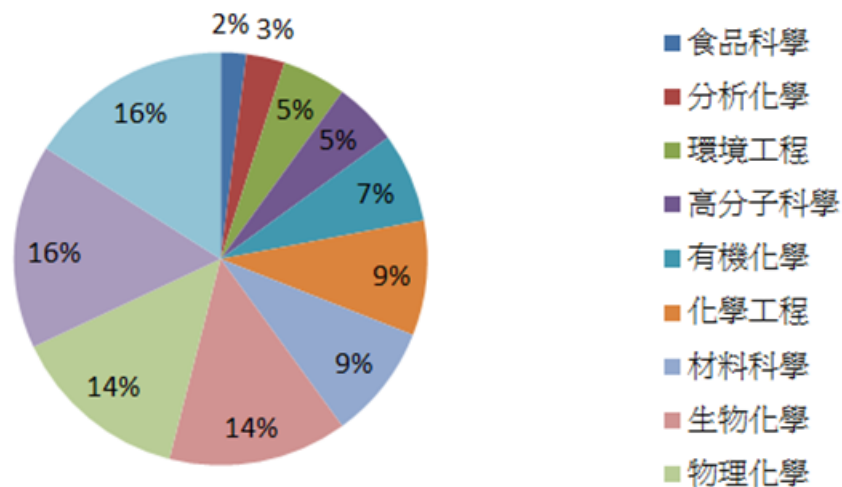
# ACS Publications

ACS產品介紹-期刊

# ACS 期刊概述

ACS Publications的有機化學、醫藥化學、材料科學、物理化學和跨學科化學類期刊的被引用量佔學科總引用量的30%

ACS期刊的學科分布



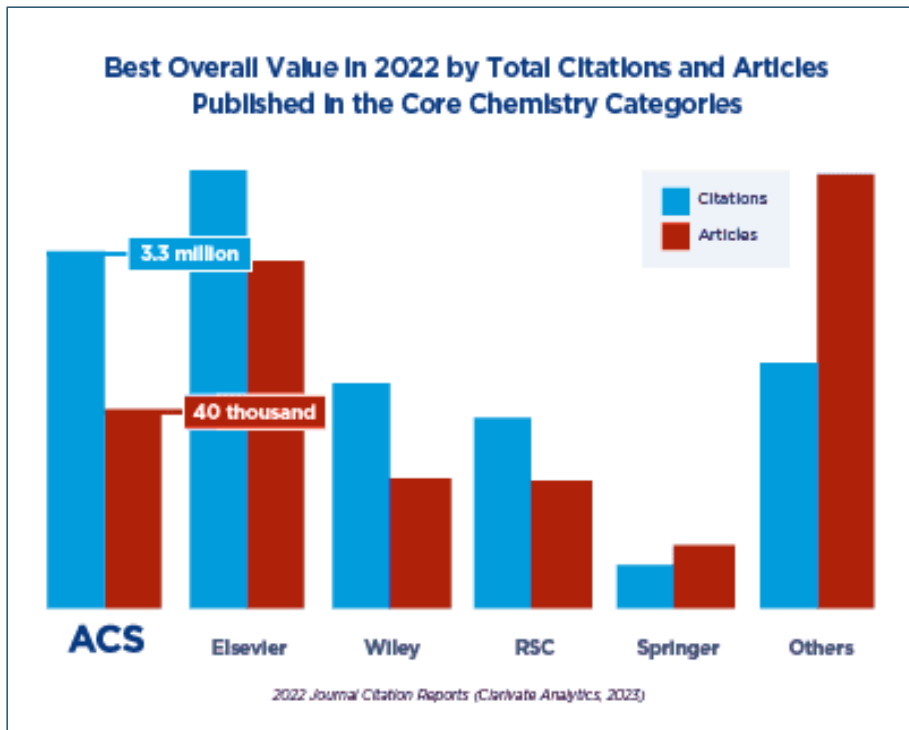
# ACS 期刊應用領域

-超越想像的廣泛，不僅限於傳統化學領域

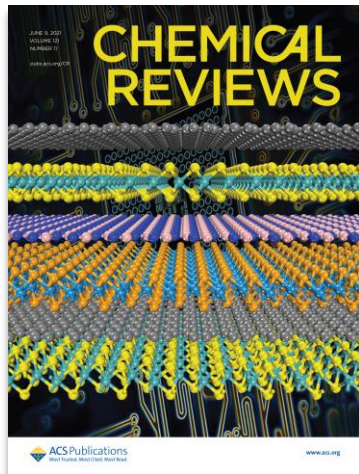
- 農業
- 分析化學
- 生物化學
- 分子生物學
- 生物科技與應用
- 微生物學
- 化學工程
- 化學資訊
- 普通化學
- 臨床化學
- 計算化學
- 晶體學
- 能源及燃料
- 環境科學
- 食品科學及科技
- 無機化學
- 材料科學
- 藥物化學
- 奈米科學
- 有機化學
- 藥理學和藥學
- 物理化學
- 高分子化學
- 理論化學
- 毒理學
- 光學
- 神經科學



相比於其他相似出版社，ACS平均被引用量更高！

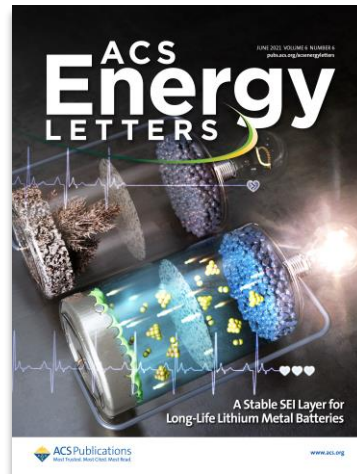


## ACS 多本期刊被(JCR) 評為 “化學領域最具影響力的期刊”



### Chemical Reviews

跨學科化學類期刊  
影響指數第1名



### ACS Energy Letters

電化學類期刊  
影響指數第1名



## Analytical Chemistry

分析化學類期刊  
被引用量第1名



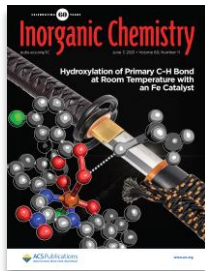
## Crystal Growth & Design

結晶學類期刊  
被引用量第1名



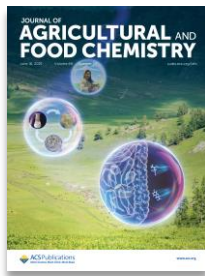
## Environmental Science & Technology

工程及環境科學類期刊  
被引用量第1名



## Inorganic Chemistry

無機及核化學類期刊  
被引用量第1名



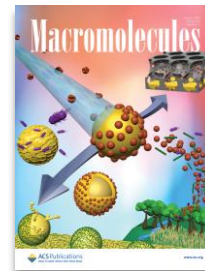
## Journal of Agricultural Food Chemistry

應用化學類  
農業及綜合學科  
食品學及科技類期刊  
被引用量第1名



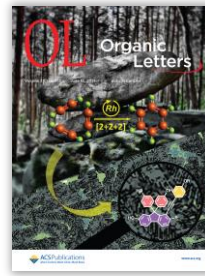
## Journal of Medicinal Chemistry

藥用化學類期刊  
被引用量第1名



## Macromolecules

聚合物科學類期刊  
被引用量第1名



## Organic Letters

有機化學類期刊  
被引用量第1名



## Journal of the American Chemical Society

綜合學科化學類期刊  
被引用量第1名

# ACS 期刊概述

ACS滿足跨領域專家的研究需要，每年平均出版1-2本創新領域期刊

- **2019:** ACS Pharmacology & Transitional Science
- **2020:** ACS Chemical Health & Safety 、 ACS Materials Letters  
Journal of The American Society for Mass Spectrometry
- **2021:** ACS ES&T Engineering 、 ACS ES&T Water 、 JACS Au (OA) 、 ACS Au(OA)
- **2023:** ACS Applied Engineering Materials 、 ACS Applied Optical Materials  
Chemical & Biomedical Imaging(OA) 、 Precision Chemistry (OA) 、 Environment & Health(OA)
- **2024:** ACS ES&T Air 、 ACS Sustainable Resource Management 、 Chem & Bio Engineering (OA)



ACS Publications

ACS產品介紹-C&EN

# C&EN 概述

## Chemical & Engineering News (C&EN)

- 涵蓋來自全球和化學方面相關最新發佈的新聞
- 主題包括產業發展、政府政策、科學技術和工作機會的每週新聞評論。

### C&EN Global Enterprise (C&EN GE)

2016-present 的C&EN 內容

### C&EN Archives

1923-2015 的C&EN 內容





ACS Publications

ACS產品介紹-電子書

# ACS 電子書概述

## ACS Symposium Series:

- 每年出版28-35本
- 涵蓋的領域廣泛，包括 藥物開發、高分子化學、量子力學、食品科學、標靶藥物傳遞、奈米技術、水力破裂、以及公共政策、與健康、環境、運輸等，滿足各領域研究需求。
- 每一個章節皆由該領域的專業人士撰寫，且所有內容皆經過同儕審查，是研究路上的高品質必讀資源。







- 幫助各程度讀者提高對跨科學領域的新興主題和技術的基本瞭解，可作為讀者對某一領域的入門讀物。
- 內容皆由知名作者撰寫介紹廣泛的新興科學領域，重要的技術與應用，對於職涯的認識...等，包含影片、動畫、分子模型等
- 擁有獨立的電子閱讀平台可於離線時觀看。
- 閱讀時間短，僅需4-6小時
- 介紹影片: <https://www.youtube.com/watch?v=oxFXM0d5ZVk>

A screenshot of the ACS Publications website. The header includes navigation links for ACS, ACS Publications, CREN, and CAS, along with a search bar and user options like "Find my institution", "Welcome: Tracy", and "Logout". Below the header, a yellow banner reads "COVID-19 Remote Access Support: Learn More about expanded access to ACS Publications research." The main content area features a large graphic with the ACS IN FOCUS logo and three e-book covers: "Alternative Career Science", "Machine Learning in Chemistry", and "Metal Nanocrystals". To the right of the graphic, a text block titled "Get up to speed quickly on emerging topics" describes the e-books and includes a "Read more" link and a "Get Access" button.

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COVID-19 Remote Access Support: Learn More about expanded access to ACS Publications research.

ACS IN FOCUS

Alternative Career Science  
Christopher Brian W.

Machine Learning in Chemistry  
Jon Paul Janet & Heather J. Kulk

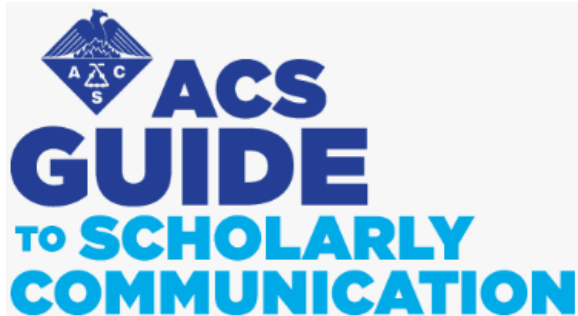
Metal Nanocrystals  
Lisa M. Kozdur & E. Sroog

Get up to speed quickly on emerging topics

The ACS In Focus e-books help readers of all levels accelerate their fundamental understanding of emerging topics and techniques from across the sciences. In an instructional setting, these works bridge the gap between textbooks and literature. For the

Read more

Get Access



### 適合誰閱讀:

- 學生、研究人員、教授、寫作教學中心與圖書館員。

## 內容特色介紹: 讓讀者更了解科學交流方法及相關議題

第一章，科學傳播(Scientific Communication)

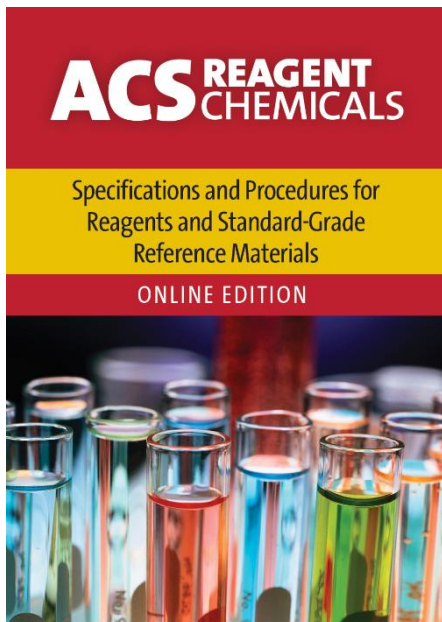
第二章，科學期刊(Scientific Journals)

第三章，科學數據(Data in the Google Era)

第四章，科學圖表的呈現(Scientific Style Conventions)

第五章，寫作風格(Editorial Style Conventions)





## 化學試劑權威參考指南

- 提供經核准的規格和程序，確保常用化學品的質量和純度。
- 詳細介紹了500多種試劑化學品的規格和測試程序。
- 規格由ACS 分析試劑委員會所出版，並經過ASTM認可，是現今需要高純度化學品應用行業及分析化學的必備參考標準。



# ACS Publications

## ACS 線上課程

# ACS ESSENTIALS OF LAB SAFETY FOR GENERAL CHEMISTRY



## 為學生進入化學實驗室做好準備

在進行實驗之前，讓學生瞭解化學安全的重要概念。該課程融入了RAMP，即實驗室安全的核心原則——認識(Recognize)、評估(Assess)、最小化(Minimize)、準備(Prepare)，其提供一致的基礎學習，以減少科學實驗室的風險和成本。

### 課程模組

- 安全文化和RAMP 簡介
- R：辨識危害
- A：評估危害風險
- M：降低危害風險
- P：應對緊急情況
- 第一天進入實驗室
- 綜合模擬



# ACS Publications

## ACS 平台使用簡介

# ACS Publications 平台的使用

The screenshot shows the ACS Publications website interface. At the top, a blue navigation bar contains the ACS logo, 'ACS Publications', 'C&EN', and 'CAS'. On the right, it says 'Access provided by IG KNOWLEDGE SERVICES LTD | Welcome: Cora | Logout'. Below this is a search bar with the text 'Search text, DOI, authors, etc.' and a magnifying glass icon. To the right of the search bar are links for 'My Activity' and 'Publications', and a hamburger menu icon. Below the navigation bar, there are tabs for 'FOR ORGANIZATIONS', 'FOR AUTHORS', 'EVENTS', 'CONFERENCES', and 'OPEN'. The main content area features a large banner with the text 'Most Trusted. Most Cited. Most Read.' and a sub-header 'ACS Publications' commitment to publishing high-quality content. Below the banner is a yellow 'Get Access' button. To the right, a sidebar titled 'NEW & NOTEWORTHY' lists recent articles. At the bottom, a 'Browse Content' section displays seven colored tiles for different subject areas: All Subjects, Analytical, Applied, Biological, Materials Science & Engineering, Organic-Inorganic, and Physical. Each tile has a corresponding icon and a right-pointing arrow.

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**Get Access**

**NEW & NOTEWORTHY**

- ACS Wins Bronze Brandon Hall Group HCM Excellence Award
- Learning to Create Effective Patents: A New ACS Guide Chapter
- ChemRxiv Surpasses 10,000 Preprints Posted

**Browse Content**

- All Subjects
- Analytical
- Applied
- Biological
- Materials Science & Engineering
- Organic-Inorganic
- Physical

檢索欄位

功能列表

瀏覽全部期刊

# 快速瀏覽特定期刊

可依學科分類/ A-Z排序瀏覽期刊

The screenshot displays the ACS Publications website. At the top, the navigation bar includes 'ACS Publications', 'C&EN', 'CAS', and 'Access provided by TAIWAN CONSORTIA'. A search bar is located below the navigation bar. The main content area features a 'Browse Content' section with four tabs: 'All Subjects', 'Analytical', 'Applied', and 'Biol'. Below these tabs is a 'Filter by Letter' section with letters A through O. A callout box highlights the 'Publications' menu item in the top navigation bar and the 'A-Z' filter in the 'Filter by Letter' section. The 'A-Z' filter is currently selected, showing a list of journals under the letter 'A'.

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addresses the world's most important challenges.

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Learning to Create Effective Patents: A New ACS Guide Chapter

### Browse Content

All Subjects Analytical Applied Biol

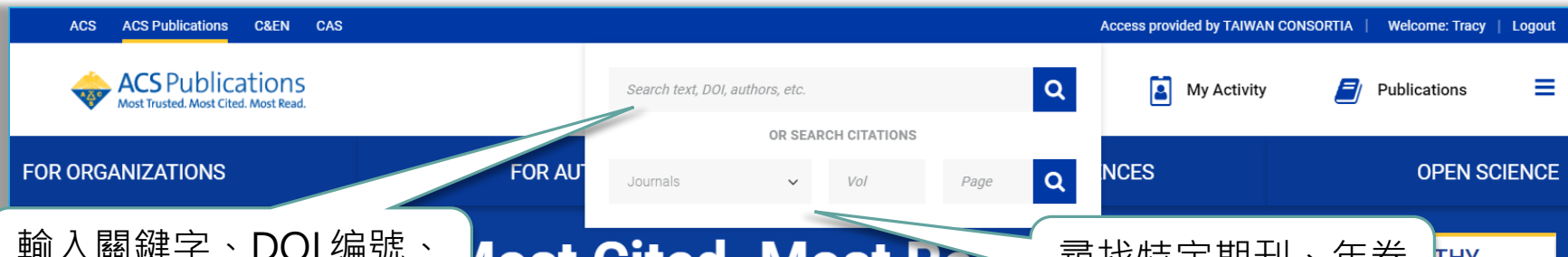
Filter by Letter: A B C E I J L M N O

**A**

- ACS Guide to Scholarly Communication
- Accounts of Chemical Research
- Accounts of Materials Research
- ACS Agricultural Science & Technology
- ACS Applied Bio Materials
- ACS Applied Electronic Materials
- ACS Applied Energy Materials
- ACS Applied Materials & Interfaces
- ACS Applied Nano Materials
- ACS Applied Polymer Materials
- ACS Bio & Med Chem Au
- ACS Biomaterials Science & Engineering
- ACS Catalysis
- ACS Central Science
- ACS Chemical Biology
- ACS Chemical Health & Safety
- ACS Chemical Neuroscience
- ACS Combinatorial Science
- ACS Earth and Space Chemistry
- ACS Energy Letters
- ACS Engineering Au
- ACS Environmental Au
- ACS ES&T Engineering
- ACS ES&T Water
- ACS Food Science & Technology
- ACS Guide to Scholarly Communication
- ACS In Focus
- ACS Infectious Diseases
- ACS Macro Letters
- ACS Materials Au
- ACS Materials Letters
- ACS Measurement Science Au
- ACS Medicinal Chemistry Letters
- ACS Nano
- ACS Nanoscience Au
- ACS Omega
- ACS Organic & Inorganic Au
- ACS Pharmacology & Translational Science
- ACS Photonics
- ACS Physical Chemistry Au
- ACS Polymers Au
- ACS Reagent Chemicals
- ACS Sensors
- ACS Sustainable Chemistry & Engineering
- ACS Symposium Series
- ACS Synthetic Biology
- Advances in Chemistry
- Analytical Chemistry
- B
- Biochemistry
- Bioconjugate Chemistry
- Biomacromolecules
- Biotechnology Progress
- C
- C&EN Global Enterprise
- Chemical & Engineering News Archive
- Chemical Research in Toxicology
- Chemical Reviews
- Chemistry of Materials



# 查詢功能簡化



輸入關鍵字、DOI 編號、  
作者，查找特定文章

尋找特定期刊、年卷  
和頁碼

# 進階檢索

## 查詢結果限縮

NARROW RESULTS	
CONTENT TYPE	
Book Chapter	159
C&EN Article	203
Journal Article	
ARTICLE TYPE	
PUBLICATION DATE	
AUTHOR	
PUBLICATION	

限縮查詢結果：  
文章類型、出版日期、作者與期刊

NARROW RESULTS	
CONTENT GROUP TYPE	
Articles ASAP (As Soon As Publishable)	1705
Just Accepted Manuscripts	2
CONTENT TYPE	
Book Chapter	6424
Reference/Standard	2
Books	4
C&EN Article	12446
Journal Article	464723
MORE (1)	
ARTICLE TYPE	
Research Article	405561
Rapid Communication	50205
PUBLICATION DATE	
Last 3 Months	7194
Last Month	2435
Last Week	537
CONTRIBUTOR	

RESULTS: 1 - 20 of 496873

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X-ray

Anywhere

Enter Search term

Topic

e.g. Genetic Anomalies

Published in

e.g. Journal of The American Chemical Society

Access Type

☒ All Content

☐ Open Access Content [LEARN MORE](#)

C&EN Archives Options

☐ Include Table Contents in search results

Publication Date

☒ All dates

☐ Last

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PER PAGE: 20 50 100 SORT: RELEVANCE

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Anywhere

Title

Author

Abstract

Figure/Table Caption

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# 特定期刊

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JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Editor-in-Chief: **Peter Stang** | Editors & Editorial Board  
Impact Factor 2018: 14.695 | Citations 2018: 550,343

Volume 141, Issue 25  
June 26, 2019

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List of Issues ASAP Articles Current Issue Authors About the Journal

**ASAP ARTICLES** ASAP Articles are edited and published ahead of issue. See all articles.

CC(F)(F)C1=CC(=C(C=C1)C(=O)O)N

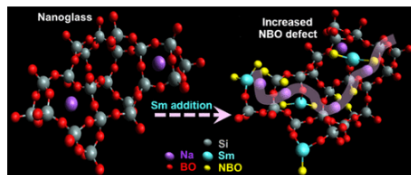
List of Issues：歷年目次，瀏覽創刊以来的全部卷期列表。

ASAP Articles：已經過技術編排，也即將出版在紙本期刊的電子全文。

Current Issue：最新一期目次。

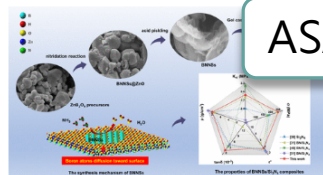
Authors：投稿相關介紹。

About the Journal：關於本期刊，如 編輯、期刊介紹。



### Designing Glass Nanocomposites with Nonbridging Oxygen Defects: An Approach to Improve Sodium-Ion Conduction

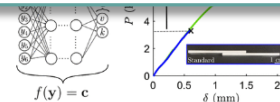
Subha Samanta\*, ... and Dipankar Chakravarty  
February 28, 2024



### Efficient Preparation of BNNs and Their Performance Study of Reinforced Porous Si<sub>3</sub>N<sub>4</sub> Composites by Gel Casting

### Mechanics-Based Optimization of Shear Lap Joints for Enhanced Force Capacity

Sumukh S. Pande, ... and Kevin T. Turner\*



ASAP: 搶先看尚未於最新一期出版的文章

### Most Read

Rankings are updated daily for previous 30 days (below) and previous 12 months. [See all articles.](#)

Most Read: 30天至一年內被閱讀次數最多的文章



50 examples of functionally diverse products C(sp<sup>3</sup>)-rich polar

### Streamlined Synthesis of C(sp<sup>3</sup>)-Rich N-Heterospirocycles Enabled by Visible-Light-Mediated Photocatalysis

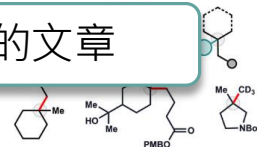
Nils J. Flodén, ... and Matthew J. Gaunt\*  
May 9, 2019

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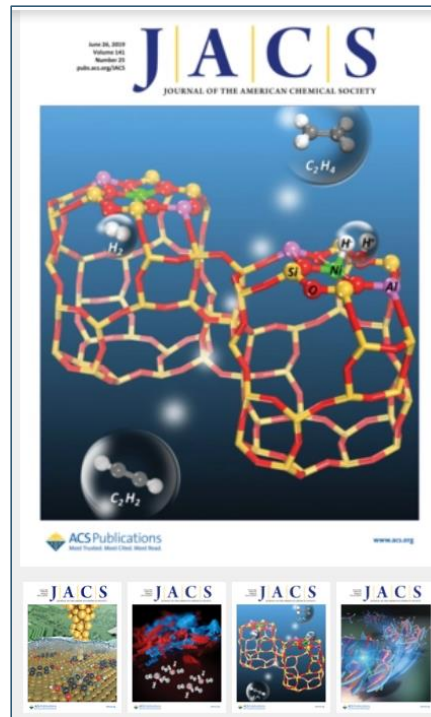
**ACS Publications**  
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### Hydroalkylation of Olefins To Form Quaternary Carbons

Samantha A. Green, ... and Ryan A. Shenvi\*  
April 29, 2019



# About the Journal



< June 26, 2019  
Volume 141, Issue 25  
Pages 9747-10118 >

## 本期封面介紹

### About the Cover:

Cationic nickel confined in a zeolite can efficiently catalyze the selective hydrogenation of acetylene to ethylene by utilizing the local electrostatic field within the zeolite for dihydrogen heterolytic activation and by linking heterogeneous and homogeneous catalysis.

[View the article.](#)  
[Download Cover](#)

### In this issue:

- » Spotlights
- » Communications
- » Articles
- » Additions and Corrections
- » Mastheads



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[ASAPs](#)  
[JAMs](#)

## 本期介紹

Previous Issue>> 查閱前一期刊物。

View All Issues>> 查閱所有年份刊物。

ASAPs >> 已經過技術編排, 也即將出版在紙本期刊的電子全文。

JAMs>> 已經過同儕評鑑, 等待交付技術編排的最新文章

# 閱讀單篇文章

RETURN TO ISSUE | < PREV ARTICLE NEXT >

## Disphenoidal Zero-Dimensional Lead, Tin, and Germanium Halides: Highly Emissive Singlet and Triplet Self-Trapped Excitons and X-ray Scintillation

Viktoriia Morad, Yevhen Shynkarenko, Sergii Yakunin, Alexandra Brumberg, Richard D. Schaller and Maksym V. Kovalenko\*

**Cite This:** *J. Am. Chem. Soc.* 2019, 141, 25, 9764-9768  
Publication Date: June 17, 2019  
<https://doi.org/10.1021/jacs.9b02365>  
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Journal of the American Chemical Society

### Abstract

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每篇文章導入網路計量指標 (Altmetric) · 供使用者參考。

# 閱讀單篇文章



ACS **APPLIED**  
BIO MATERIALS

< Amphiphilic Poly[poly(ethylene glycol) methacrylate]s with OH Groups in the PEG Side >

🔍 ☰

Introduction

ARTICLE SECTIONS Jump To ▾

  SI ✕

The use of poly(ethylene glycol)-functionalized (PEGylated) polymers has been growing in a considerable number of fields, with PEGylated polymers being among the most important polymeric materials in industry and academic research. PEGylated polymers have been used in drug delivery, tissue engineering, and in the synthesis of materials such as hydrogels, nanocomposites, and membranes. PEGylated polymers are also used in the synthesis of materials with specific properties, such as biocompatibility, biodegradability, and biocompatibility. PEGylated polymers are used in the synthesis of materials with specific properties, such as biocompatibility, biodegradability, and biocompatibility.

micelles and polymersomes in water,<sup>(15–17)</sup> polymeric catalysts and scavengers,<sup>(18–20)</sup> protein stabilizers,<sup>(21–24)</sup> and nanocarriers in drug delivery systems (DDS).<sup>(25–28)</sup> In particular, poly(ethylene glycol) methyl ether methacrylate (PEGMA) can be polymerized via living radical polymerization (LRP) with a narrow molecular weight distribution (MWD), resulting in the preparation of well-controlled random, block, and star

**Abstract**

**Tailored Amphiphilic PEGylated Copolymers**

Intra-/Intermolecular Hydrogen Bonding

Biotinylation

Bioconjugation (Streptavidin)

**Scheme 1**

Block Polymers

AB-Type P18, P17

Homa/Random Polymers

Random P14, P15

AB-Type (Random Block) P18, P19

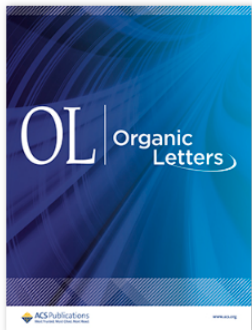
Gel-Core Star

強化瀏覽：讓使用者更快速預覽重要圖片，參考資源連結與Supporting Information(實驗成果、光譜圖與數據)。

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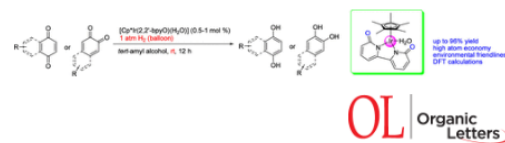
### Hydrogenation of Quinones to Hydroquinones under Atmospheric Pressure Catalyzed by a Metal–Ligand Bifunctional Iridium Catalyst

Jin Zhang, Xiangchao Xu, Guoqiang Zhao, Heng You, Rongzhou Wang, and Feng Li\*

Org. Lett. (Article) Free to Read Editors' Choice

ACS Editors' Choice Date: February 26, 2024

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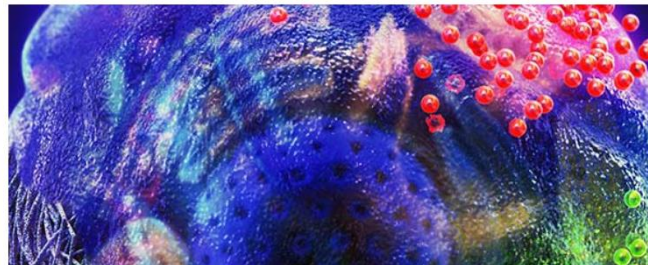
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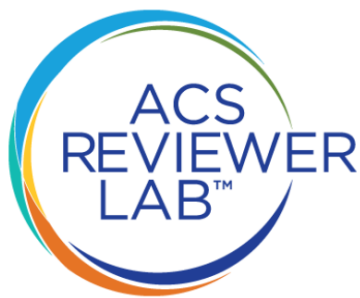
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A screenshot of the ACS Author University website. The top navigation bar is blue with the ACS Publications logo and tagline 'Most Trusted. Most Cited. Most Read.' on the left, and links for 'ACS Journals', 'ACS eBooks', and 'C&amp;EN Global Enterprise' on the right. Below the navigation bar is a breadcrumb trail: 'ACS Publications &gt; ACS Publishing Center &gt; Author University'. To the right of the breadcrumb is a search bar with a magnifying glass icon and a menu icon. The main heading 'ACS Author University' is displayed in large white text on a blue background. Below the heading is a paragraph of text: 'Learn publishing from the inside out. ACS Author University provides videos and articles from our editor community on tips for scientific writing, securing funding, handling rejection, and much more. You can browse the subjects below and click on the relevant titles to learn more.' Below this text is a two-column list of topics: 'Communicating Your Research to the Public', 'How to Write a Scientific Article', 'How do you Start Writing a Paper?', 'Advice for Handling Rejection', 'Principles of Authorship', 'Funding Your Research', 'Open Access', 'Copyright', 'Preprints', 'Global Collaboration', 'Peer Review', and 'Graphical Abstracts'.



ACS Publications 致力於發表經同儕審查 (Peer-Review) 的優質科學研究成果，因此推出 1-2個小時的 ACS Reviewer Lab 線上免費培訓課程，幫助使用者瞭解同儕審查的基礎知識與技能。

完課後，參加會得到完課證明，並被加入ACS Reviewer候選名單，未來若有相似領域研究的文章需要尋找Reviewer時，將有機會被邀請成為審查者。



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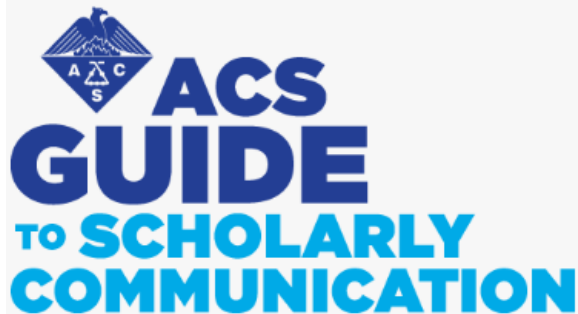
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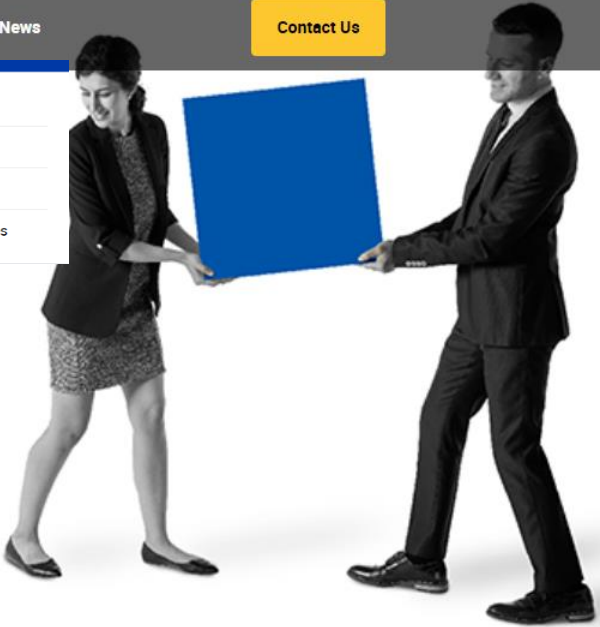
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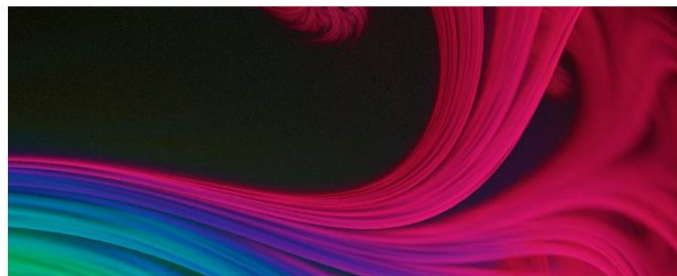
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The screenshot displays the ACS Publications website interface. At the top, there is a navigation bar with links for ACS, ACS Publications, C&EN, and CAS. On the right side of the top bar, there are links for 'Manage My Account' and a search icon. Below the top bar, the main navigation menu includes 'ACS Publications' (with the logo), 'Research Areas', 'Who We Serve', 'Solutions', 'Access Options', 'Resources', and 'Contact Us'. A yellow 'Get Access' button is positioned on the right. Several dropdown menus are open, showing the following options:

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The background features a large banner with the text 'So for Org on' and a description: 'the knowledge the next big d... impactful scientific advances. highest quality content and resources in the chemical sciences.' At the bottom of the banner, there are two buttons: 'Explore our Solutions' and 'All Products & Services'.

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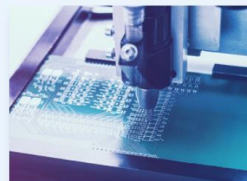
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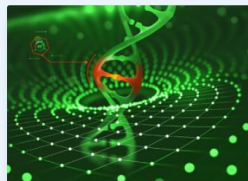
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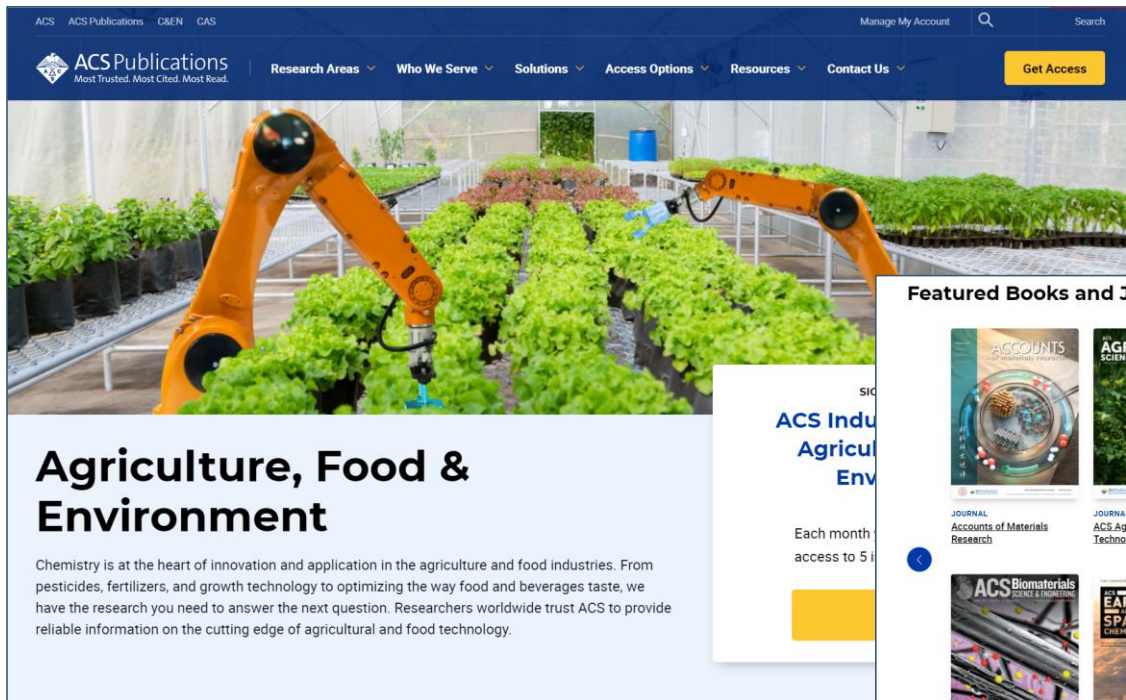
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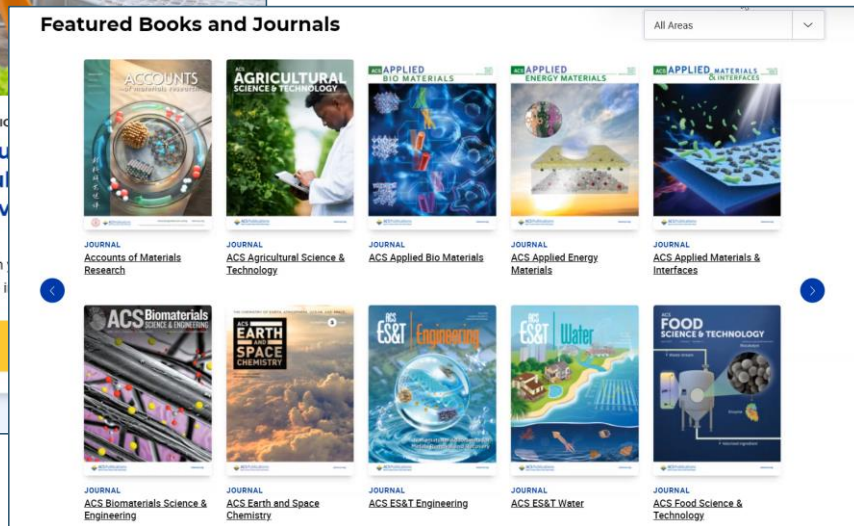
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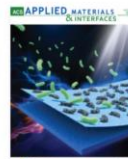





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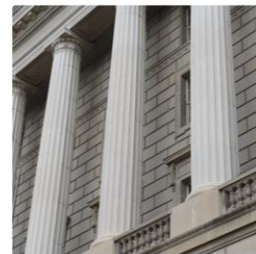
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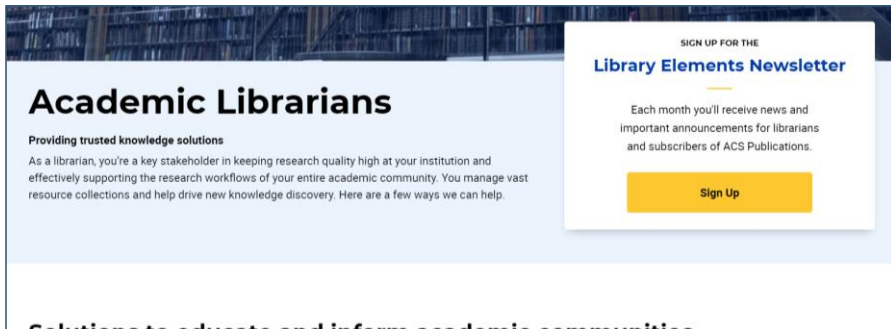
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